

15 next following sample container is advanced to the lid-
16 opening device (50).

1 10. The analyzer system of claim 2, wherein the
2 analyzer module (16) is adapted to cooperate with a
3 control arrangement comprising at least one program to
4 control the movements of the analyzer system, and further
5 comprising at least one sensor mark (8, 30) on the sample
6 tray (4) and a stationary reader device (7, 28) for the
7 sensor mark (8, 30), said reader device being located on
8 at least one of the base housing (1), the analyzer module
9 (16), and the lid-opening device (50), said at least one
10 sensor mark (8, 30) and said reader device (7, 28) being
11 operable to control at least one of the sample tray (4)
12 and the lid-opening device (50).

1 11. The analyzer system of claim 10, wherein the
2 sensor mark (30) is designed for non-destructively
3 releasable attachment to the sample tray (4) through a
4 fastening arrangement (29) adjacent to at least one of the
5 holding accommodations (5).

1 12. The analyzer system of claim 2, wherein the
2 analyzer module (16) is adapted to cooperate with a
3 control arrangement comprising at least one program to
4 control the movements of the analyzer system, and wherein
5 further the control arrangement is adapted to cooperate

6 with a keypad (112, 112').

1 13. The analyzer system of claim 12, wherein the
2 keypad (112') is connected to the base housing (1).

1 14. The analyzer system of claim 3, wherein the lid
2 (32') is made of a non-magnetic material containing a
3 magnet-anchor element (55).

1 15. The analyzer system of claim 14, wherein the
2 magnet-anchor element (55) is covered by a layer (56) of
3 the non-magnetic material, said layer defining a
4 prescribed distance (d).

1 16. The analyzer system of claim 15, wherein the
2 magnet-anchor element (55) is completely encased in the
3 non-magnetic material.

1 17. The analyzer system of claim 16, wherein the
2 non-magnetic material is a polymer material and the
3 magnet-anchor element is molded into the polymer material.

1 18. The analyzer system of claim 14, wherein the
2 magnet-anchor element is ring-shaped, substantially as
3 wide as the electromagnet (51) is from one pole to the
4 other, and approximately centered in the lid (32').

1 19. The analyzer system of claim 14, wherein the lid
2 (32') comprises at least one of a centering projection
3 (58) and a centering recess for centering the lid (32') on
4 the sample container (32).

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